

Listing and Amendments to the Claims

This listing of claims replaces all prior versions of claims in this application.

1. (Previously presented) Method of recording scrambled digital data comprising the steps of:

- (a) receiving a scrambled digital data stream including a plurality of control packets containing at least one descrambling key; said at least one descrambling key having a periodically changing value, the at least one descrambling key of at least one of said plurality of control packets being identical to the at least one descrambling key of the preceding control packet;
- (b) identifying in said data stream said plurality of control packets containing said at least one key for descrambling at least a part of the data of the stream;
- (c) storing in a table said control packets containing said at least one descrambling key when said value changes; and not storing said control packets containing said at least one descrambling key when said value has not changed; and,
- (d) recording the data stream and said table on a data storage medium.

2. (Canceled).

3. (Previously presented) Method according to Claim 1, wherein at step (c), an index indicating the position of the control packet in the data stream is stored in the table.

4. (Original) Method according to Claim 3, wherein the index comprises a serial number of the control packet with respect to the first packet of the data stream recorded.

5. (Original) Method according to Claim 3, wherein the index comprises a time stamp associated with said control packet which defines its position in the data stream with respect to clock reference values transmitted in the data stream.

6. (Canceled).

7. (Canceled).

8. (Canceled).

9. (Canceled).

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (Previously presented) Method according to Claim 1, wherein said storing step further comprises forming said table of said descrambling keys in a sequence related to scrambling changes in said received digital data stream.

15. (Previously presented) Method according to Claim 1, wherein said storing step further comprises assembling said table of said descrambling keys with non-duplicate descrambling key values.

16. (Previously presented) Method for recording comprising:

(a) receiving a scrambled digital data stream including a plurality of control packets containing a descrambling key having a value which periodically changes and at other times is identical to a preceding control packet;

(b) identifying in said data stream said plurality of control packets containing said descrambling key;

(c) creating a table of said control packets containing said descrambling key when said descrambling key value is absent from said table; and,

(d) recording said data stream and said table on a data storage medium.